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Injury Frequency Rates in Maine Manufacturing Establishments 3rd Quarter and Nine Months, 1956

Maine Department of Labor and Industry

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U. S. DEPARTMENT OF LABOR
Bureau of Labor Statistics
Washington 25, D. C.

STATE OF MAINE
Department of Labor and Industry
Division of Research and Statistics
Augusta, Maine

INJURY FREQUENCY RATES IN MAINE
MANUFACTURING ESTABLISHMENTS

3rd Quarter and Nine Months 1956

DLI BULLETIN NUMBER 253

THE
OFFICE OF THE
DIRECTOR OF THE
BUREAU OF THE
CENSUS

WASHINGTON, D. C.
1900

REPORT
ON THE
CENSUS OF THE
POPULATION
AND
HABITATION

OF THE
UNITED STATES
IN THE YEAR
1900

THE
BUREAU OF THE
CENSUS

STATE OF MAINE
DEPARTMENT OF LABOR AND INDUSTRY
DIVISION OF RESEARCH AND STATISTICS
AUGUSTA

INJURY FREQUENCY RATES IN MAINE MANUFACTURING

3rd QUARTER AND NINE MONTHS, 1956

Industry	Number of Reporting Units /1 (3rd Qtr.)	Maine						U.S.
		1956				1955		1955
		3rd Qtr.	2nd Qtr.	1st Qtr.	Nine Months	Nine Months	Annual	Annual
<u>ALL MANUFACTURING</u>	<u>1053</u>	<u>21.6</u>	<u>18.1</u>	<u>20.7</u>	<u>20.1</u>	<u>19.4</u>	<u>19.9</u>	<u>12.1</u>
<u>ORDNANCE AND ACCESSORIES</u>	<u>2</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>5.1</u>
<u>FOOD AND KINDRED PRODUCTS</u>	<u>192</u>	<u>26.1</u>	<u>26.2</u>	<u>27.2</u>	<u>26.4</u>	<u>23.4</u>	<u>22.7</u>	<u>B</u>
Meat Products	19	40.4	42.7	44.4	42.5	40.8	41.1	21.3
Dairy Products	11	14.1	33.3	18.9	22.4	7.4	13.9	18.0
Canning and Preserving-Fruits, Vegetables, Sea Food/2	91	27.7	25.8	20.8	25.7	19.8	16.9	20.2
(Canned Sea Foods)	(36)	31.6	39.0	19.8	33.0	21.9	18.4	B
(Canned Fruits and Vegetables, etc.)	(32)	21.9	20.9	18.0	20.7	17.8	16.0	B
(Frozen Fruits, Vegetables, Sea Foods)	(15)	25.2	11.7	23.6	19.5	20.7	16.7	B
Grain Mill Products	7	25.6	24.5	None	17.9	15.6	17.9	15.9
Bakery Products	17	17.4	11.2	14.0	14.4	14.8	15.7	16.4
Bottled Soft Drinks and Carbonated Waters	28	27.8	44.2	69.8	44.5	84.0	81.0	24.5
Miscellaneous Food Preparations and Kindred Products	16	10.8	22.2	16.5	16.5	2.5	9.7	11.8
Not Elsewhere Shown	3	None	None	293.0	98.2	33.6	43.6	B
<u>TEXTILES</u>	<u>63</u>	<u>15.0</u>	<u>12.3</u>	<u>9.9</u>	<u>12.3</u>	<u>10.7</u>	<u>10.8</u>	<u>B</u>
Yarn Mills	8	16.3	7.8	15.4	13.0	9.9	10.5	8.0
Broad Woven Fabric Mills:								
Cotton, Silk and Synthetic Fiber	12	4.8	6.5	3.8	5.0	3.9	4.0	6.8 C
Woolen and Worsted	27	22.9	20.3	16.9	20.1	19.2	19.3	16.9 C
Processed Waste and Recovered Fibers	5	41.4	16.4	51.5	32.0	24.1	29.7	B
Not Elsewhere Shown	11	21.1	13.9	10.3	15.0	16.4	18.2	B

Industry	Number of Reporting Units /1 (3rd Qtr.)	Maine						U. S. 1955 Annual
		1956				1955		
		3rd Qtr.	2nd Qtr.	1st Qtr.	Nine Months	Nine Months	Annual	
<u>APPAREL AND FABRICATED TEXTILES</u>	<u>36</u>	<u>3.3</u>	<u>11.6</u>	<u>5.2</u>	<u>6.8</u>	<u>5.9</u>	<u>5.9</u>	<u>B</u>
Men's, Youth's, Boy's Apparel	7	3.2	8.8	6.2	6.1	8.1	8.2	7.2
Women's and Misses' Outerwear	6	None	None	None	None	6.6	4.3	5.6 C
Children's and Infants' Outerwear	7	8.9	25.3	None	12.6	1.8	2.8	5.6 C
Miscellaneous Fabricated Textile Products	13	None	18.8	21.1	12.5	6.1	6.5	10.8
Not Elsewhere Shown	3	None	None	None	None	6.3	4.8	B
<u>LUMBER AND WOOD PRODUCTS (Except Furniture)</u>	<u>369</u>	<u>57.3</u>	<u>42.9</u>	<u>56.7</u>	<u>52.7</u>	<u>51.3</u>	<u>52.7</u>	<u>B</u>
Logging Camps and Logging Contractors	96	86.8	64.9	80.8	79.4	75.8	78.0	75.4
Sawmills and Planing Mills	167	38.6	43.5	53.6	45.0	53.0	49.4	44.6
Millwork and Structural Wood Products	16	23.7	8.7	24.0	18.8	29.1	30.4	24.9
Plywood Mills	4	25.6	19.8	33.5	26.4	43.3	41.0	29.7
Wooden Containers	10	54.2	18.2	21.8	30.7	40.0	41.1	29.0
Miscellaneous Wood Products	76	35.9	33.8	36.8	35.5	31.3	31.6	31.9
<u>FURNITURE AND FIXTURES</u>	<u>18</u>	<u>43.2</u>	<u>45.4</u>	<u>48.5</u>	<u>45.6</u>	<u>50.4</u>	<u>56.1</u>	<u>B</u>
Household Furniture	15	46.7	45.6	49.8	47.4	55.3	58.9	18.5 C
Not Elsewhere Shown	3	18.2	44.0	40.2	33.3	16.1	35.8	B
<u>PAPER AND ALLIED PRODUCTS</u>	<u>38</u>	<u>10.9</u>	<u>8.5</u>	<u>11.0</u>	<u>10.1</u>	<u>9.2</u>	<u>9.3</u>	<u>B</u>
Pulp, Paper and Paperboard Mills	22	11.0	8.5	10.1	9.9	9.2	9.4	11.7
Paperboard Containers and Boxes	12	35.1	22.5	43.3	33.8	21.6	19.1	16.1
Miscellaneous Paper and Allied Products	4	2.4	4.5	19.4	8.6	6.0	5.9	14.4
<u>PRINTING, PUBLISHING AND ALLIED PRODUCTS</u>	<u>59</u>	<u>7.0</u>	<u>7.6</u>	<u>8.3</u>	<u>7.6</u>	<u>5.3</u>	<u>5.8</u>	<u>B</u>
Newspapers	28	9.2	4.5	8.0	7.2	5.1	4.9	9.3
Commercial Printing	21	None	26.0	6.9	10.9	6.1	4.7	B
Service Industries for the Printing Trades	6	None	None	None	None	21.0	11.2	B
Not Elsewhere Shown	4	None	None	24.9	7.3	None	22.5	B
<u>CHEMICALS AND ALLIED PRODUCTS</u>	<u>24</u>	<u>18.4</u>	<u>24.9</u>	<u>39.3</u>	<u>27.4</u>	<u>33.3</u>	<u>32.1</u>	<u>B</u>
Fertilizers	12	20.3	21.1	29.5	23.5	28.7	27.7	15.4
Vegetables and Animal Oils and Fats	3	17.0	18.9	None	12.5	56.5	52.1	23.5
Miscellaneous Chemicals	6	34.7	61.6	68.4	53.2	44.6	43.8	15.9
Not Elsewhere Shown	3	None	15.9	72.8	30.7	11.2	12.6	B

Industry	Number of Reporting Units /1 (3rd Qtr.)	Maine						U. S. 1955 Annual
		1956				1955		
		3rd Qtr.	2nd Qtr.	1st Qtr.	Nine Months	Nine Months	Annual	
<u>RUBBER PRODUCTS</u>	<u>3</u>	<u>22.0</u>	<u>36.2</u>	<u>12.7</u>	<u>24.1</u>	<u>12.3</u>	<u>17.7</u>	<u>B</u>
<u>LEATHER AND LEATHER PRODUCTS</u>	<u>97</u>	<u>11.3</u>	<u>12.7</u>	<u>11.2</u>	<u>11.7</u>	<u>14.1</u>	<u>14.1</u>	<u>B</u>
Leather Tanning and Finishing	10	44.5	24.6	44.6	37.9	47.9	49.1	23.5
Boot and Shoe, Cut Stock and Findings	21	14.5	16.5	17.8	16.3	32.8	28.1	19.9
Footwear (except Rubber)	62	9.2	11.6	9.1	9.9	11.3	11.5	9.0
Not Elsewhere Shown	4	None	26.3	None	8.9	27.6	21.3	B
<u>STONE, CLAY, AND GLASS PRODUCTS</u>	<u>26</u>	<u>20.7</u>	<u>46.2</u>	<u>38.9</u>	<u>32.3</u>	<u>42.9</u>	<u>37.5</u>	<u>B</u>
Structural Clay Products	7	54.4	39.7	46.9	60.0	50.9	44.7	34.6
Concrete, Gypsum and Plaster Products	8	11.3	69.1	82.1	37.8	27.8	36.5	25.5
Cut Stone and Stone Products	6	34.7	63.5	40.4	46.4	90.6	70.3	B
Not Elsewhere Shown	5	6.1	7.0	None	4.6	None	None	B
<u>PRIMARY METAL INDUSTRIES</u>	<u>8</u>	<u>34.0</u>	<u>13.3</u>	<u>16.2</u>	<u>20.4</u>	<u>30.0</u>	<u>27.4</u>	<u>B</u>
Gray Iron and Malleable Foundries	6	43.0	17.2	None	23.2	71.2	55.9	29.3
Not Elsewhere Shown	2	28.2	10.8	A	19.1	A	A	B
<u>FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY AND TRANSPORTATION EQUIPMENT)</u>	<u>41</u>	<u>21.3</u>	<u>27.8</u>	<u>31.2</u>	<u>26.3</u>	<u>30.1</u>	<u>29.4</u>	<u>B</u>
Edge Tools	9	31.3	12.2	None	14.2	78.9	72.6	18.8 C
Hand Tools and General Hardware	6	20.5	12.0	49.6	29.1	16.7	19.1	17.0 C
Fabricated Structural Steel & Ornamental Metalwork	4	11.4	10.9	5.4	9.2	34.2	30.6	20.5
Metal Doors, Sash, Frames, Molding, and Trim	5	7.0	5.7	None	6.2	A	A	11.2
Boiler Shop Products	3	28.7	56.5	49.7	44.6	50.0	47.3	22.4
Sheet Metal Work	6	38.7	25.1	58.5	39.8	89.6	82.5	23.7
Stamped and Pressed Metal Products (except Automobile Stampings)	3	80.0	A	A	A	A	A	12.3
Not Elsewhere Shown	5	15.1	3.8	4.2	7.9	6.6	7.0	B
<u>MACHINERY (EXCEPT ELECTRICAL)</u>	<u>19</u>	<u>6.7</u>	<u>4.6</u>	<u>5.0</u>	<u>5.4</u>	<u>4.9</u>	<u>5.2</u>	<u>B</u>
Metal Working Machinery	4	23.2	26.9	23.7	24.6	27.0	27.4	10.2
Special Industry Machinery (except Metalworking Machinery)	3	2.1	1.3	.6	1.3	.9	1.4	14.5 C
Miscellaneous Machine Parts and Machining	6	24.5	5.0	14.8	13.5	12.9	11.4	16.6 C
Not Elsewhere Shown	6	12.4	9.3	10.4	10.8	15.9	12.0	B

Industry	Number of Reporting Units / <u>1</u> (3rd Qtr.)	Maine						U. S. 1955
		1956				1955		Annual
		3rd Qtr.	2nd Qtr.	1st Qtr.	Nine Months	Nine Months		
<u>ELECTRICAL MACHINERY</u>	<u>6</u>	<u>7.8</u>	<u>2.5</u>	<u>9.6</u>	<u>6.7</u>	<u>2.4</u>	<u>2.6</u>	<u>B</u>
<u>TRANSPORTATION EQUIPMENT</u>	<u>31</u>	<u>11.6</u>	<u>10.8</u>	<u>16.1</u>	<u>12.9</u>	<u>15.6</u>	<u>17.0</u>	<u>B</u>
Shipbuilding and Repairing	10	6.4	10.2	14.3	10.5	15.3	16.7	18.1
Boatbuilding and Repairing	14	32.1	5.5	16.1	16.3	20.4	23.0	32.3
Not Elsewhere Shown	7	24.1	15.7	25.6	21.5	14.9	15.2	B
<u>"SCIENTIFIC INSTRUMENTS"</u>	<u>4</u>	<u>None</u>	<u>None</u>	<u>26.0</u>	<u>7.8</u>	<u>19.0</u>	<u>11.8</u>	<u>B</u>
<u>MISCELLANEOUS MANUFACTURING INDUSTRIES</u>	<u>17</u>	<u>10.7</u>	<u>19.6</u>	<u>18.8</u>	<u>16.5</u>	<u>14.6</u>	<u>15.1</u>	<u>B</u>
Sporting and Athletic Goods, N.E.C.	4	None	46.8	12.6	21.2	11.6	13.0	B
Miscellaneous Manufacturing Industries	10	12.7	None	37.2	17.2	4.5	13.6	13.6
Not Elsewhere Shown	3	15.3	13.5	12.5	13.7	22.3	17.4	B

- ^{1/} Does not include 30 reporting units that did not operate or were excluded for editorial reasons.
- ^{2/} Includes the three subsequent groups (in parenthesis) for which individual rates are also shown.
- A No rates published where less than three reporting units were recorded in the current period.
- B No U. S. rate available.
- C U. S. rate here shown is that for the industry most closely in conformance with the definition used by this department.
- NONE Indicates that no disabling work injuries were reported in the period covered.

TECHNICAL NOTES:

The Injury Frequency Rate is the average number of disabling work injuries for each million employee hours worked. A Disabling Work Injury is any injury occurring in the course of and arising out of employment which (A) results in death or any degree of permanent physical impairment, or (B) makes the injured worker unable to perform the duties of any regularly established job, which is open and available to him throughout the hours corresponding to his regular shift, on any one or more days after the day of the injury (including Sundays, days off, and plant shutdowns). The term Injury includes industrial disease.

The Industry Classifications shown conform to the definitions of the 1945 edition of the Standard Industrial Classification Manual, Vol. 1., Manufacturing Industries, prepared by the Division of Statistical Standards of the U. S. Bureau of the Budget.

These data were compiled according to the "American Standard Method of Recording and Measuring Work Injury Experience," approved by the American Standards Association, 1954.

Contrary to procedures in the U. S. Department of Labor, Bureau of Labor Statistics, Maine rates are computed for industries having a minimum of three reporting units, regardless of total manhours. This practice accounts for large fluctuations in the rates for smaller industries in the state--for based upon a million hours, one injury equals a 1.0 frequency rate; those with less than one million hours in a reporting period tend to be distorted as the rates will exceed the total number of injuries.

INJURY FREQUENCY RATES IN MAINE MANUFACTURING BY COUNTY AND
PLANT SIZE - - - January - September, 1955 and 1956

County	Nine Months		Annual
	1956	1955	1955
Androscoggin	10.5	12.4	12.4
Aroostook	26.6	21.4	24.3
Cumberland	17.9	15.3	14.4
Franklin	22.9	26.8	24.7
Hancock	18.0	19.6	15.8
Kennebec	15.5	13.4	14.5
Knox	25.6	19.1	17.6
Lincoln	16.9	24.0	27.1
Oxford	28.5	23.6	27.2
Penobscot	25.1	26.7	27.1
Piscataquis	37.9	26.8	23.8
Sagadahoc	12.0	12.4	11.6
Somerset	41.2	37.4	40.6
Waldo	22.7	27.5	26.2
Washington	25.9	25.8	25.0
York	8.1	10.3	10.1

ALL MANUFACTURING	20.1	19.4	19.9
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Plants Employing:			
25 or less	27.6	29.8	29.2
26 - 50	36.7	35.9	33.7
51 - 100	30.6	30.9	33.3
101 - 200	26.0	30.8	30.2
201 - 300	24.8	18.9	21.0
301 - 400	18.6	17.0	15.9
401 - 500	15.4	16.4	18.0
501 - 750	24.8	17.1	21.1
751 - 1000	8.8	13.5	11.2
1001 - 2500	12.0	11.2	12.0
2501 and over	5.5	6.3	6.6

INJURY FREQUENCY RATES IN MAINE MANUFACTURING ESTABLISHMENTS - MAJOR INDUSTRY GROUPS BY MONTHS, 1956

Industry	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
<u>ALL MANUFACTURING</u>	<u>21.9</u>	<u>22.6</u>	<u>17.6</u>	<u>17.0</u>	<u>17.3</u>	<u>19.7</u>	<u>21.5</u>	<u>20.3</u>	<u>21.8</u>
Ordinance and Accessories	A	A	A	A	A	A	A	A	A
Food and Kindred Products	30.5	30.0	17.6	18.8	26.7	30.5	27.9	24.5	28.4
Textile Mill Products	8.8	11.7	9.1	13.6	13.7	9.5	10.9	14.0	14.0
Apparel and Fabricated Textile Products	None	11.8	3.6	21.3	6.8	6.1	4.4	3.0	3.1
Lumber and Wood Products	60.8	59.6	47.1	37.9	40.2	48.7	55.6	56.3	59.2
Furniture and Fixtures	71.5	40.3	31.3	15.8	15.6	109.1	47.7	36.7	33.1
Paper and Allied Products	9.3	12.1	11.4	8.4	10.2	7.0	11.1	11.7	10.1
Printing, Publishing, etc.	11.3	3.5	10.2	3.5	6.3	12.9	3.7	6.4	10.7
Chemicals and Allied Products	38.2	38.7	40.8	15.6	19.3	42.1	19.4	24.1	10.0
Rubber Products	37.0	None	None	64.2	None	41.6	None	62.6	None
Leather and Leather Products	11.3	10.0	12.1	12.8	13.4	11.9	11.2	9.0	13.6
Stone, Clay and Glass Products	32.5	39.1	44.0	64.6	20.7	53.0	27.0	32.3	22.3
Primary Metal Industries	None	49.6	None	20.3	19.2	None	None	21.5	74.0
Fabricated Metal Products	40.8	33.3	22.6	38.6	22.0	23.2	17.7	25.5	20.3
Machinery (except Electrical)	4.2	5.7	5.1	4.3	5.3	4.1	8.2	5.2	7.2
Electrical Machinery	7.6	7.3	13.4	None	None	7.0	24.3	6.8	None
Transportation Equipment	15.5	18.3	14.5	15.9	8.6	7.8	12.8	7.7	14.4
"Scientific Instruments, etc."	84.6	None	None	None	None	None	None	None	None
Miscellaneous Manufacturing Industries	21.3	19.1	16.5	30.2	9.2	20.3	None	26.3	None



